

# 3R-100

100 Watt Mountable  
Non-Inductive, High Frequency Resistors



## 3R-100 (TO-227, SOT-227, ISOTOP)

The Non-Inductive design of these elements is ideally suited for high frequency and pulse load applications. By direct mounting on a heat sink significant, cost advantages can be realized.

3R-100(TO-227) can be supplied in a 2-terminal or 4- terminal version double or max. 3 fold resistors are available.

Main applications: Variable speed Drives, Power Supplies, Control Devices, Telecom, Robotics, Motor Controls, Dynamic Braking, and other Switching Designs, RF Applications, soft start.



## 3R-100 ( TO-227 ) Device, Non-Inductive 100 Watt Power Resistors

- Heat Sink Mountable
- RF Terminal
- Shunt
- Inverter
- Motor Braking
- Pulse & Plasma
- Medium Voltage

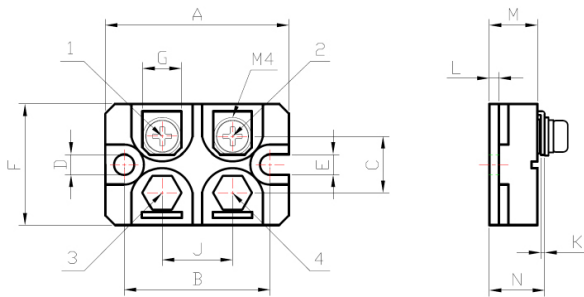
Dim	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	38.00	39.00	1.496	1.535
B	30.10	30.30	1.185	1.193
C	11.50	11.70	0.453	0.461
D	4.10	4.30	0.161	0.169
E	4.00	4.20	0.157	0.165
F	24.60	25.60	0.969	1.008
G	7.80	8.20	0.307	0.323
J	14.60	15.20	0.575	0.598
K	0.75	0.85	0.030	0.033
L	1.90	2.10	0.075	0.083
M	9.80	10.20	0.386	0.402
N	11.50	12.50	0.453	0.492

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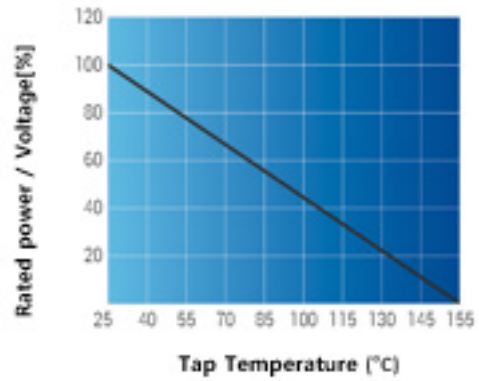
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## DIMENSIONS



## DERATING CURVE



## VERSIONS



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## SPECIFICATIONS

RESISTANCE TOLERANCE	1%, 2%, 5% available on request
TEMPERATURE COEFFICIENT OF RESISTANCE	± 100ppm/°C std.
POWER RATING	100W at 25 °C Tap Temperature
WORKING VOLTAGE	less than 1kVrms
RESISTANCE RANGE	1R to 5Meg
VOLTAGE PROOF	Dielectric strength 4kVdc against ground
INDUCTANCE	≤50 nH
CAPACITANCE	≤ 40pF
WORKING TEMP. RANGE	-55°C to +155°C
MAX. TORQUE FOR CONTACTS (STATIC)	1.3N.m
MAX. TORQUE FOR BASE PLATE (STATIC)	1.5N.m
RESISTIVE MATERIAL	Thick Film
RESISTIVE SUBSTRATES	Alumina
TAP MATERIAL	Ni Plated Copper Plates
HOUSING	EMC
TERMINAL	2-pin,3-pin,4-pin
PARTIAL DISCHARGING	2kVrms / 80pC

cf. The specifications & dimensions may be subject to change without notice

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UPDATE 2022-12-20